

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	651	ground with (hydrophobic)	US-PGPUB; USPAT	ADJ	ON	2009/08/12 11:06
L2	28	(ground\$3 or grind\$5) with (hydrophobic) with toner	US-PGPUB; USPAT	ADJ	ON	2009/08/12 11:06
L3	16111	toner with (shell or coat \$5)	US-PGPUB; USPAT	ADJ	ON	2009/08/12 11:07
L4	19	l2 and L3	US-PGPUB; USPAT	ADJ	ON	2009/08/12 11:07
L5	5147	(ground\$3 or grind\$5) with toner	US-PGPUB; USPAT	ADJ	ON	2009/08/12 11:09
S1	1	("20050271964").PN.	US-PGPUB; USPAT	OR	OFF	2007/08/20 11:56
S2	372	(430/110.2).COLS.	US-PGPUB; USPAT	OR	OFF	2007/08/20 11:57
S4	80	((etou near2 kei) or (higurashi near2 hisano) or (nakayama near2 yusuke) or (ezaki near2 kaori) or (kimura near2 toru)).in.	US-PGPUB; USPAT	ADJ	ON	2007/08/20 12:14
S10	102	(S2 or S4) and urea	US-PGPUB; USPAT	ADJ	ON	2007/08/20 12:50
S11	58	S10 and thermoplastic	US-PGPUB; USPAT	ADJ	ON	2007/08/20 12:29
S12	38	(S2 or S4) and (urea near3 resin)	US-PGPUB; USPAT	ADJ	ON	2007/08/20 12:50
S13	19	S12 and thermoplastic	US-PGPUB; USPAT	ADJ	ON	2007/08/20 13:52
S14	17	S12 and thermosetting	US-PGPUB; USPAT	ADJ	ON	2007/08/20 13:52
S15	3	(US-20040146795-\$).did. or (US-5015549-\$ or US-5294513-\$).did.	US-PGPUB; USPAT	ADJ	ON	2007/08/20 14:08
S16	1	S15 and softening	US-PGPUB; USPAT	ADJ	ON	2007/08/20 14:10
S17	109	resinifying	US-PGPUB; USPAT	ADJ	ON	2007/08/20 14:11
S18	0	S15 and S17	US-PGPUB; USPAT	ADJ	ON	2007/08/20 14:11

S19	1	S15 and polymerizing	US-PGPUB; USPAT	ADJ	ON	2007/08/20 14:12
S20	3	S15 and polymeriz\$	US-PGPUB; USPAT	ADJ	ON	2007/08/20 14:17
S21	372	(430/110.2).COLS.	US-PGPUB; USPAT	OR	OFF	2007/08/20 15:27
S22	80	((etou near2 kei) or (higurashi near2 hisano) or (nakayama near2 yusuke) or (ezaki near2 kaori) or (kimura near2 toru)).in.	US-PGPUB; USPAT	ADJ	ON	2007/08/20 15:27
S23	38	(S21 or S22) and (urea near3 resin)	US-PGPUB; USPAT	ADJ	ON	2007/08/20 15:27
S24	4	(US-20040146795-\$ or US-20050271964-\$).did. or (US-5294513-\$ or US- 5015549-\$).did.	US-PGPUB; USPAT	ADJ	ON	2008/04/28 16:12
S25	2	S24 and (grind\$4 or ground\$4)	US-PGPUB; USPAT	ADJ	ON	2008/04/28 16:12
S26	4684	toner with (grind\$4 or ground\$4)	US-PGPUB; USPAT	ADJ	ON	2008/04/28 16:17
S27	1867	toner with (soften\$4 (point or temp\$7))	US-PGPUB; USPAT	ADJ	ON	2008/04/28 16:18
S28	55970	thermosetting with resin	US-PGPUB; USPAT	ADJ	ON	2008/04/28 16:19
S29	8974	thermosetting with (urea or melamine)	US-PGPUB; USPAT	ADJ	ON	2008/04/28 16:22
S30	2674	fusing temp\$7	US-PGPUB; USPAT	ADJ	ON	2008/04/28 16:25
S31	1	S26 and S27 and S28 and S29 and S30	US-PGPUB; USPAT	ADJ	ON	2008/04/28 16:25
S32	13	S26 and S27 and S28 and S29	US-PGPUB; USPAT	ADJ	ON	2008/04/28 16:26
S33	2	S26 and S28 and S29 and S30	US-PGPUB; USPAT	ADJ	ON	2008/04/28 16:32
S34	236	S27 and S28	US-PGPUB; USPAT	ADJ	ON	2008/04/28 16:35
S35	36	S34 and S26	US-PGPUB; USPAT	ADJ	ON	2008/04/28 16:35
S36	8	(US-20040146795-\$ or US-20050271964-\$).did. or (US-5294513-\$ or US- 5015549-\$ or US- 5714292-\$ or US- 5350657-\$ or US- 5325637-\$ or US- 5043769-\$).did.	US-PGPUB; USPAT	ADJ	ON	2008/04/28 16:41

S37	9196	S28 with coat\$4	US-PGPUB; USPAT	ADJ	ON	2008/04/28 16:41
S38	11214	S28 with (coat\$4 or shell or cover\$4)	US-PGPUB; USPAT	ADJ	ON	2008/04/28 16:41
S39	4	S38 and S36	US-PGPUB; USPAT	ADJ	ON	2008/04/28 16:41
S40	1	(fus\$4 with (temp\$7 or point)) and S36	US-PGPUB; USPAT	ADJ	ON	2008/04/28 16:42
S41	6	(urea or melamine) and S36	US-PGPUB; USPAT	ADJ	ON	2008/04/28 16:42
S42	8	(US-20040146795-\$ or US-20050271964-\$).did. or (US-5294513-\$ or US- 5015549-\$ or US- 5714292-\$ or US- 5350657-\$ or US- 5325637-\$ or US- 5043769-\$).did.	US-PGPUB; USPAT	ADJ	ON	2008/04/29 08:23
S43	6	(urea or melamine) and S42	US-PGPUB; USPAT	ADJ	ON	2008/04/29 08:23
S44	4	aggregat\$4 and S43	US-PGPUB; USPAT	ADJ	ON	2008/04/29 08:23
S45	2	(US-5714292-\$ or US- 5350657-\$).did.	USPAT	ADJ	ON	2008/04/29 08:30
S46	2	spher\$5 and S45	USPAT	ADJ	ON	2008/04/29 08:31
S47	23165	urea same formaldehyde	USPAT	ADJ	ON	2008/04/29 08:32
S48	0	S46 and S47	USPAT	ADJ	ON	2008/04/29 08:33
S49	1	formaldehyde and S46	USPAT	ADJ	ON	2008/04/29 08:33
S50	4685	toner with (grind\$4 or ground\$4)	US-PGPUB; USPAT	ADJ	ON	2008/04/29 08:48
S51	2	S50 and S45	USPAT	ADJ	ON	2008/04/29 08:48
S52	69	toner and (polymer\$7 same agit\$4 same aggregat\$4)	US-PGPUB; USPAT	ADJ	ON	2008/04/29 09:13
S53	0	(true shericity) and toner	US-PGPUB; USPAT	ADJ	ON	2008/04/29 09:16
S54	11	(true sphericity) and toner	US-PGPUB; USPAT	ADJ	ON	2008/04/29 09:16
S55	5	("5294513"   "5958640"   "5399455"   "6033822"   "6231973").FN.	US-PGPUB; USPAT	ADJ	ON	2008/04/29 09:26

S56	11586	(urea or formaldehyde) with (shell or coat\$4 or outermost or outside or cover\$4)	USPAT	ADJ	ON	2008/09/22 11:35
S57	23373	urea same formaldehyde	USPAT	ADJ	ON	2008/09/22 11:38
S58	4007	S56 and S57	USPAT	ADJ	ON	2008/09/22 11:38
S59	4828	toner with (grind\$4 or ground\$4)	US-PGPUB; USPAT	ADJ	ON	2008/09/22 11:39
S60	52	S58 and S59	USPAT	ADJ	ON	2008/09/22 11:39
S61	3776	(soft\$5 with (temp\$7 or point)) with (toner or core)	USPAT	ADJ	ON	2008/09/22 11:40
S62	7	S60 and S61	USPAT	ADJ	ON	2008/09/22 11:40
S63	1	("20050271964").PN.	US-PGPUB; USPAT	OR	OFF	2008/09/22 11:41
S64	0	S56 and S63	USPAT	ADJ	ON	2008/09/22 11:41
S65	16442	(urea or formaldehyde) with (shell or coat\$4 or outermost or outside or cover\$4 or surface)	USPAT	ADJ	ON	2008/09/22 11:41
S66	4966	S65 and S57	USPAT	ADJ	ON	2008/09/22 11:41
S67	54	S66 and S59	USPAT	ADJ	ON	2008/09/22 11:41
S68	7	S67 and S61	USPAT	ADJ	ON	2008/09/22 11:42
S69	0	S65 and S63	USPAT	ADJ	ON	2008/09/22 11:42
S70	0	(urea with coat\$4) and S63	USPAT	ADJ	ON	2008/09/22 11:43
S71	0	(urea with surface) and S63	USPAT	ADJ	ON	2008/09/22 11:44
S72	1	urea and S63	US-PGPUB; USPAT	ADJ	ON	2008/09/22 11:45
S73	405	(polymeriz\$3 with (shell or coat\$4 or outermost or outside or cover\$4 or surface)) and ((shell or coat\$4 or outermost or outside or cover\$4 or surface) with (thick or thickness)) and ((shape factor) or (sphericity) or (circularity))	US-PGPUB; USPAT	ADJ	ON	2008/09/22 18:34

S74	316	S73 and toner	US-PGPUB; USPAT	ADJ	ON	2008/09/22 18:39
S75	215	S74 and (grind\$4 or ground\$4)	US-PGPUB; USPAT	ADJ	ON	2008/09/22 18:39
S76	35125	core with shell	US-PGPUB; USPAT	ADJ	ON	2008/09/22 18:44
S77	94	S75 and S76	US-PGPUB; USPAT	ADJ	ON	2008/09/22 18:44
S78	11	(true sphericity) and toner	US-PGPUB; USPAT	ADJ	ON	2008/09/22 19:11
S79	9	S78 and (grind\$4 or ground\$4)	US-PGPUB; USPAT	ADJ	ON	2008/09/22 19:11
S80	10	("20020055050"   "5213934"   "5223370"   "5294513"   "5350657"   "5958640"   "5399455"   "6033822"   "6231973"   "0718676").PN.	US-PGPUB; USPAT	ADJ	ON	2008/09/22 19:28
S81	95	((etou near2 kei) or (higurashi near2 hisano) or (nakayama near2 yusuke) or (ezaki near2 kaori) or (kimura near2 toru)).in.	US-PGPUB; USPAT	ADJ	ON	2008/09/29 10:17
S82	296	(430/110.2).CCL.S.	USPAT	OR	OFF	2008/09/29 10:18
S83	12	(US-20040146795-\$ or US-20050271964-\$ or US- 20020055050-\$).did. or (US-5294513-\$ or US- 5015549-\$ or US- 5714292-\$ or US- 5350657-\$ or US- 5325637-\$ or US- 5043769-\$ or US- 5639582-\$ or US- 4973541-\$ or US- 6171743-\$).did.	US-PGPUB; USPAT	ADJ	ON	2009/03/02 14:49
S84	1037831	ground or grind or grinding	US-PGPUB; USPAT	ADJ	ON	2009/03/02 14:58
S85	8	S83 and S84	US-PGPUB; USPAT	ADJ	ON	2009/03/02 14:58
S86	1	("5013630").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/02 15:06
S87	0	S84 and S86	US-PGPUB; USPAT	ADJ	ON	2009/03/02 15:06
S88	433	(430/110.2).CCL.S.	US-PGPUB; USPAT	OR	OFF	2009/03/02 15:12

S89	149	S84 and S88	US-PGPUB; USPAT	ADJ	ON	2009/03/02 15:12
S90	45	S89 and urea	US-PGPUB; USPAT	ADJ	ON	2009/03/02 17:10
S91	21	S90 and formaldehyde	US-PGPUB; USPAT	ADJ	ON	2009/03/02 17:11
S92	199	S88 and pulveriz\$6	US-PGPUB; USPAT	ADJ	ON	2009/03/02 18:50
S93	23	S92 and urea and formaldehyde	US-PGPUB; USPAT	ADJ	ON	2009/03/02 18:50
S94	12	S93 not S91	US-PGPUB; USPAT	ADJ	ON	2009/03/02 18:51
S95	6739	(urea with formaldehyde) same (shell or coat\$4)	US-PGPUB; USPAT	ADJ	ON	2009/03/02 19:28
S96	1083034	ground or grind or grinding or pulveriz\$6	US-PGPUB; USPAT	ADJ	ON	2009/03/02 19:28
S97	442	S95 and S96 and toner	US-PGPUB; USPAT	ADJ	ON	2009/03/02 19:29
S98	1083692	ground or grind or grinding or pulveriz\$6	US-PGPUB; USPAT	ADJ	ON	2009/03/03 11:23
S99	2766	(S98 with core) and ((resin \$6 or polymer\$7) with (shell or coat\$4))	US-PGPUB; USPAT	ADJ	ON	2009/03/03 11:23
S100	433	(430/110.2).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/03/03 11:23
S101	54	S99 and S100	US-PGPUB; USPAT	ADJ	ON	2009/03/03 11:23
S102	4	S101 and urea and formaldehyde	US-PGPUB; USPAT	ADJ	ON	2009/03/03 11:24
S103	0	S102 and ((softening or melt) with (point or temp or temperature))	US-PGPUB; USPAT	ADJ	ON	2009/03/03 11:25
S104	244	(S98 with core) and ((shape factor) or sphericity or circularity)	US-PGPUB; USPAT	ADJ	ON	2009/03/03 12:01
S105	11	S104 and S100	US-PGPUB; USPAT	ADJ	ON	2009/03/03 12:02
S106	9	("20030054280"   "20080176157"   "20080176164"   "20080268363"   "20080268367"   "3979342"   "4254201"   "4379825"   "4489174"). PN.	US-PGPUB; USPAT	ADJ	ON	2009/04/08 15:23
S107	6404	urea with thermosetting	US-PGPUB; USPAT	ADJ	ON	2009/08/11 10:02

S108	4164	(grind\$4 or ground) with toner	US-PGPUB; USPAT	ADJ	ON	2009/08/11 10:03
S109	30896	urea with formaldehyde	US-PGPUB; USPAT	ADJ	ON	2009/08/11 10:03
S110	22	S107 and S108 and S109	US-PGPUB; USPAT	ADJ	ON	2009/08/11 10:03
S111	141	(urea or formaldehyde or thermosetting) with coat \$5 with toner	US-PGPUB; USPAT	ADJ	ON	2009/08/11 11:06
S112	8	S108 and S109 and S111	US-PGPUB; USPAT	ADJ	ON	2009/08/11 11:06
S113	21	S111 and S108	US-PGPUB; USPAT	ADJ	ON	2009/08/11 11:20
S114	13	S113 not S112	US-PGPUB; USPAT	ADJ	ON	2009/08/11 11:20
S115	2	S114 and urea	US-PGPUB; USPAT	ADJ	ON	2009/08/11 11:21
S116	54	urea with coat\$5 with toner	US-PGPUB; USPAT	ADJ	ON	2009/08/11 11:23
S117	46	S116 not S110 not S112 not S115	US-PGPUB; USPAT	ADJ	ON	2009/08/11 11:23
S118	2098	(urea or formaldehyde) with shell	US-PGPUB; USPAT	ADJ	ON	2009/08/11 15:18
S119	134	S118 and toner	US-PGPUB; USPAT	ADJ	ON	2009/08/11 15:18
S120	154	430/137.18	US-PGPUB; USPAT	ADJ	ON	2009/08/11 15:47
S121	200	(430/137.18).COLS.	US-PGPUB; USPAT	OR	OFF	2009/08/11 15:47
S122	1	S118 and S121	US-PGPUB; USPAT	ADJ	ON	2009/08/11 15:48
S123	446	(430/110.2).COLS.	US-PGPUB; USPAT	OR	OFF	2009/08/11 17:03
S124	104	((etou near2 kei) or (higurashi near2 hisano) or (nakayama near2 yusuke) or (ezaki near2 kaori) or (kimura near2 toru)).in.	US-PGPUB; USPAT	ADJ	ON	2009/08/11 17:03
S125	36	(S123 or S124) and S118	US-PGPUB; USPAT	ADJ	ON	2009/08/11 17:03
S126	4164	(grind\$4 or ground) with toner	US-PGPUB; USPAT	ADJ	ON	2009/08/11 17:03
S127	5	S125 and S126	US-PGPUB; USPAT	ADJ	ON	2009/08/11 17:03
S128	1	("5463454").PN.	US-PGPUB; USPAT	OR	OFF	2009/08/11 17:20

S129	1	("4497885").PN.	US-PGPUB; USPAT	OR	OFF	2009/08/12 08:29
S130	446	(430/110.2).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/08/12 09:02
S131	2098	(urea or formaldehyde) with shell	US-PGPUB; USPAT	ADJ	ON	2009/08/12 09:02
S132	36	S131 and S130	US-PGPUB; USPAT	ADJ	ON	2009/08/12 09:02
S133	551910	(soft\$6 or melt\$5) with (point or temp or temperature)	US-PGPUB; USPAT	ADJ	ON	2009/08/12 09:07
S134	23	S132 and S133	US-PGPUB; USPAT	ADJ	ON	2009/08/12 09:07
S135	200	(430/137.18).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/08/12 09:10
S136	446	(430/110.2).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/08/12 09:10
S137	6	S135 and S136	US-PGPUB; USPAT	ADJ	ON	2009/08/12 09:10
S138	3	S137 and shell	US-PGPUB; USPAT	ADJ	ON	2009/08/12 09:29
S139	34810	(thermoset\$6 or urea or formaldehyde) with (shell or coat\$5)	US-PGPUB; USPAT	ADJ	ON	2009/08/12 09:38
S140	1	S137 and S139	US-PGPUB; USPAT	ADJ	ON	2009/08/12 09:40
S141	5145	(grind\$4 or ground\$3) with toner	US-PGPUB; USPAT	ADJ	ON	2009/08/12 09:58
S142	243	S139 and S141	US-PGPUB; USPAT	ADJ	ON	2009/08/12 09:58
S143	16111	toner with (shell or coat \$5)	US-PGPUB; USPAT	ADJ	ON	2009/08/12 10:09
S144	197	S142 and S143	US-PGPUB; USPAT	ADJ	ON	2009/08/12 10:09
S145	3	S137 and S141	US-PGPUB; USPAT	ADJ	ON	2009/08/12 10:13
S146	0	S139 and S145	US-PGPUB; USPAT	ADJ	ON	2009/08/12 10:13

**EAST Search History (Interference)**

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